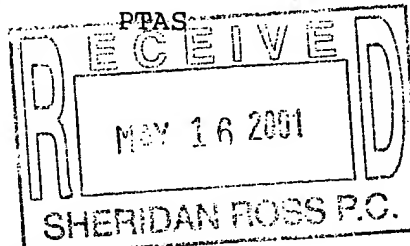




4103-61641  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MAY 10, 2001

SHERIDAN ROSS P.C.  
RICHARD L. HUGHES  
1560 BROADWAY  
SUITE 1200  
DENVER, CO 80202-5141



\*101629912A\*

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/26/2001

REEL/FRAME: 011554/0327  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
MACKAY, GORDON

DOC DATE: 02/07/2001

ASSIGNOR:  
RIVERS, JAMES R.

DOC DATE: 02/08/2001

ASSIGNOR:  
OUSTERHOUT, RITA

DOC DATE: 02/07/2001

ASSIGNOR:  
WANG, SEAN X.

DOC DATE: 02/07/2001

ASSIGNOR:  
CHEN, JOHN K.

DOC DATE: 02/07/2001

ASSIGNEE:  
CISCO TECHNOLOGY INC.  
170 WEST TASMAN DRIVE  
SAN JOSE, CALIFORNIA 95134

SERIAL NUMBER: 09691419  
PATENT NUMBER:

FILING DATE: 10/17/2000  
ISSUE DATE:

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



03-08-2001



101629912

MARK OFFICE

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Technology Center 2100

In Re the Application of:

MacKay et al.

Serial No.: 09/691,419

Filed: October 17, 2000

Atty. File No.: 4103-61641

For: METHOD AND APPARATUS TO  
DETECT AND BREAK LOOP  
CONFIGURATIONBOX ASSIGNMENTS  
Commissioner of Patents  
Washington, D.C. 20231

) Group Art Unit:

) Examiner:

RECORDATION OF ASSIGNMENT

## CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS  
FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO  
ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON,  
DC 20231 ON February 19, 2001.

SHERIDAN ROSS P.C.

BY: *Rebekah Janzen*

Dear Sir:

Please record the attached original documents or copy thereof:

## 1. Name of conveying party(ies):

Gordon MacKay  
James R. Rivers  
Rita Ousterhout  
Sean X. Wang  
John K. Chen

## 2. Name and address of receiving party(ies):

Cisco Technology Inc.  
170 West Tasman Drive  
San Jose, California 95134

## 3. Nature of Conveyance:

<input checked="" type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name
<input type="checkbox"/>	Other: _____		

Execution Date: 2/7/01; 02/08/01; 02/07/01; 02/07/01; 02/07/01

## 4. Application number(s) or patent number(s)

03/07/2001 DBYRNE 00000109 09691419

01 FC:581

40.00 00

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):09/691,419

B. Patent No.(s): None.

5. Name and address of party to whom correspondence concerning documents should be mailed:

Richard L. Hughes  
Sheridan Ross P.C.  
1560 Broadway, Suite 1200  
Denver, Colorado 80202-5141

6. Total number of applications and patents involved: 1.

7. Total fee (37 CFR 3.41).....\$40.00.

☒ Enclosed

☒ Any deficiency in payment of recording fee is authorized to be charged to Deposit Account.

☐ Authorized to be charged to deposit account.

8. Deposit account number: 19-1970.

9. Statement and signature.

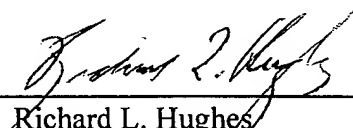
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Total number of pages including cover sheet, attachments and document: 7

Respectfully submitted,

SHERIDAN ROSS P.C.

By: \_\_\_\_\_

  
Richard L. Hughes  
Registration No. 31,264  
1560 Broadway, Suite 1200  
Denver, Colorado 80202-5141  
(303) 863-9700

Date: \_\_\_\_\_

Feb. 20, 2001

## ASSIGNMENT

WHEREAS, we, Gordon MacKay of 1700 Halford Avenue, Apt. 202, Santa Clara, California 9505; James P. Rivers of 14760 Live Oak Lane, Saratoga, California 95070; Rita Ousterhout of 726 Ashby Drive, Palo Alto, California 94301; Sean X. Wang of 40784 Laguna Place, Fremont, California 94539; and John K. Chen of 260 North Mathilda, #M8, Sunnyvale, CA 94086, have invented a certain new and useful invention entitled METHOD AND APPARATUS TO DETECT AND BREAK LOOP CONFIGURATION, which was filed on October 17, 2000 and assigned Serial No. 09/691,419, said application further being identified as Attorney File No. 4103-50127;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Cisco Technology Inc., California corporation having a place of business at 170 West Tasman Drive, San Jose, CA 95134, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Cisco Technology Inc. and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Cisco Technology Inc., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: FEB 7, 2001

By: \_\_\_\_\_

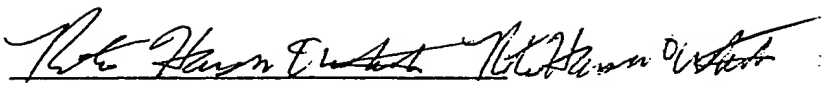
Gordon MacKay

Date: FEB 8, 2001


By: \_\_\_\_\_

James P. Rivers

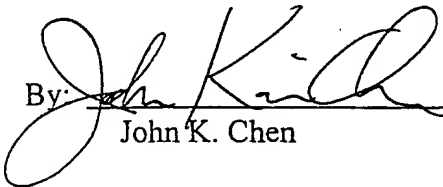
Date: 2-7-01

By:   
Rita Ousterhout

Date: 2-7-2001

By:   
Sean X. Wang

Date: 2-7-2001

By:   
John K. Chen

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

Before me, a Notary Public in and for said County and State, personally appeared Gordon MacKay, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

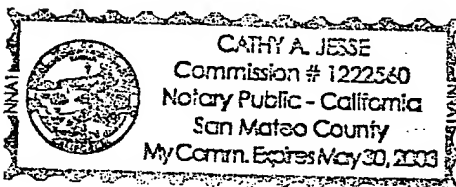
STATE OF California )  
 ) ss.  
COUNTY OF San Clara )

Before me, a Notary Public in and for said County and State, personally appeared James P. Rivers, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 8<sup>th</sup> day of February, 2001.

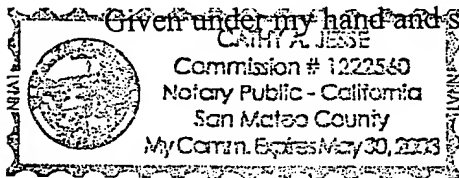
Cathy A. Jesse  
Notary Public

My Commission Expires: May 30, 2003



STATE OF California )  
 ) ss.  
COUNTY OF Santa Clara )

Before me, a Notary Public in and for said County and State, personally appeared Rita Ousterhout, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 8<sup>th</sup> day of February, 2001.  
  
Cathy A. Jesse  
Notary Public

My Commission Expires: May 30, 2003

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

Before me, a Notary Public in and for said County and State, personally appeared Sean X. Wang, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_



STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

Before me, a Notary Public in and for said County and State, personally appeared John K. Chen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_